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 NEWS  1           Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2           "Ask CAS" for self-help around the clock
 NEWS  3  SEP 09   CA/CAplus records now contain indexing from 1907 to the
                   present
 NEWS  4  AUG 05   New pricing for EUROPATFULL and PCTFULL effective
                   August 1, 2003
 NEWS  5  AUG 13   Field Availability (/FA) field enhanced in BEILSTEIN
 NEWS  6  AUG 18   Data available for download as a PDF in RDISCLOSURE
 NEWS  7  AUG 18   Simultaneous left and right truncation added to PASCAL
 NEWS  8  AUG 18   FROSTI and KOSMET enhanced with Simultaneous Left and Righ
                   Truncation
 NEWS  9  AUG 18   Simultaneous left and right truncation added to ANABSTR
 NEWS 10  SEP 22   DIPPR file reloaded
 NEWS 11  SEP 25   INPADOC: Legal Status data to be reloaded
 NEWS 12  SEP 29   DISSABS now available on STN
 NEWS 13  OCT 10   PCTFULL: Two new display fields added

 NEWS EXPRESS  OCTOBER 01 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
               MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
               AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 13:31:44 ON 16 OCT 2003

=> file medline caplus cancerlit embase biosis
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 0.21       0.21

FILE 'MEDLINE' ENTERED AT 13:32:32 ON 16 OCT 2003

FILE 'CAPLUS' ENTERED AT 13:32:32 ON 16 OCT 2003
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FILE 'CANCERLIT' ENTERED AT 13:32:32 ON 16 OCT 2003

FILE 'EMBASE' ENTERED AT 13:32:32 ON 16 OCT 2003

FILE 'BIOSIS' ENTERED AT 13:32:32 ON 16 OCT 2003


```
=> s interferon (w) induction
L1        5435 INTERFERON (W) INDUCTION

=> s cyclic (w) amides or lactams or ?pyrrolidinone
L2       48058 CYCLIC (W) AMIDES OR LACTAMS OR ?PYRROLIDINONE

=> s l1(s) l2
L3           4 L1(S) L2

=> d l3 1- ibib,abs
YOU HAVE REQUESTED DATA FROM 4 ANSWERS - CONTINUE? Y/(N):y
```

L3 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1974:25867 CAPLUS
DOCUMENT NUMBER: 80:25867
TITLE: Initiation of the formation of endogenic interferon
INVENTOR(S): From, A. A.; Bostandzhyan, M. G.; Gyul'badamova, N. M.; Sirotenko, A. V.; Fadeeva, L. L.
PATENT ASSIGNEE(S): Central Institute of Hematology and Blood Transfusion
SOURCE: U.S.S.R. From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1973, 50(26), 93.
CODEN: URXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Russian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
SU 386009	T	19730614	SU 1971-1671198	19710608

PRIORITY APPLN. INFO.: SU 1971-1671198 19710608
AB The formation of endogenous interferon was initiated by introducing an appropriate inductor into the organism. To lower the toxic effect, an aq. salt soln. contg. low-mol.-wt. poly(vinylpyrrolidinone) H (.ltoreq.0.4%) was used as the interferon inducer.

L3 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1973:79720 CAPLUS
DOCUMENT NUMBER: 78:79720
TITLE: Interferonogens and antiviral substances. Copolymers of vinylpyrrolidinone and double-stranded complexes of polyribonucleotides
AUTHOR(S): Zeitlenok, N. A.; Vil'ner, L. M.; Bresler, S. E.; Kropachev, V. A.; Tikhomirova-Sidorova, N. S.; Trukhmanova, L. B.; Brodskaya, L. M.; Alpatova, G. A.
CORPORATE SOURCE: Inst. Polio. Viral Encephalitides, Moscow, USSR
SOURCE: Trudy Instituta Poliomielita i Virusnykh Entsefalitov Akademii Meditsinskikh Nauk SSSR (1971), 16, 372-84
CODEN: TMPVAP; ISSN: 0568-4609
DOCUMENT TYPE: Journal
LANGUAGE: Russian
AB Vinylpyrrolidone-crotonic acid copolymer [25133-86-2], vinylpyrrolidone-crotonic aldehyde copolymer [25133-87-3], and vinylpyrrolidone-maleic anhydride copolymer [26837-56-9] induced interferon prodn. in mice (max. titers 24 hr postinjection) and increased

the resistance of the mice to tick-borne encephalitis virus (for 10 days postinjection). Resistance was indicated by a higher survival rate and lower accumulation of viral pathogen in the blood and brain of treated infected mice than in untreated infected mice. The antiviral action of these copolymers seems to be closely related to their interferonogenic activity. Poly(guanidylate:cytidylate) [27965-02-2] was more active than poly(adenylate:uridylate) [25249-19-8] in inducing interferonogenesis in rabbits, monkeys, and chick embryo fibroblast culture and in inhibiting Chikungunya virus plaque formation in the fibroblast culture.

L3 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1972:470361 CAPLUS
DOCUMENT NUMBER: 77:70361
TITLE: Use of synthetic **vinylpyrrolidinone**-based copolymers for **interferon induction** and an increased resistance to virus infections
AUTHOR(S): Vil'ner, L. M.; Ze'tlenok, N. A.; Chumakov, M. P.; Kropachev, V. A.; Trukhmanova, L. B.
CORPORATE SOURCE: USSR
SOURCE: Fiziol. Opt. Aktiv. Polim. Veshchestva (1971) 137-44
From: Ref. Zh., Biol. Khim. 1971, Abstr. No. 23F2056
DOCUMENT TYPE: Journal
LANGUAGE: Russian
AB The copolymer of vinylpyrrolidinone (VP) (mol. wt. .sim. 200,000) had greater antiviral activity in mice than did the copolymers of VP with crotonic acid, crotonic aldehyde, and maleic aldehyde.

L3 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1970:475297 CAPLUS
DOCUMENT NUMBER: 73:75297
TITLE: Reticuloendothelial effects of interferon inducers: polyanionic and non-polyanionic phylaxis against microorganisms
AUTHOR(S): Regelson, William; Munson, Albert E.
CORPORATE SOURCE: Div. of Med. Oncol., Med. Coll. of Virginia, Richmond, VA, USA
SOURCE: Annals of the New York Academy of Sciences (1970), 173(Art. 1), 831-41
CODEN: ANYAA9; ISSN: 0077-8923
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Poly I:C and pyran copolymer produced biphasic changes in the phagocytic and immunol. responses of the reticuloendothelial system of mice. Freund adjuvant, poly(**vinylpyrrolidinone**), tributyrin, and Thorotrast also exerted protective action against viral infection, suggesting that polyanions may not be necessary for **interferon induction** .

=> s l1 (L) l2
L4 5 L1 (L) L2

=> d l4 1- ibib,abs
YOU HAVE REQUESTED DATA FROM 5 ANSWERS - CONTINUE? Y/(N):y

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1974:25867 CAPLUS
DOCUMENT NUMBER: 80:25867
TITLE: Initiation of the formation of endogenic interferon
INVENTOR(S): From, A. A.; Bostandzhyan, M. G.; Gyul'badamova, N. M.; Sirotenko, A. V.; Fadeeva, L. L.
PATENT ASSIGNEE(S): Central Institute of Hematology and Blood Transfusion
SOURCE: U.S.S.R. From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1973, 50(26), 93.
CODEN: URXXAF

DOCUMENT TYPE: Patent
LANGUAGE: Russian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
SU 386009	T	19730614	SU 1971-1671198	19710608

PRIORITY APPLN. INFO.: SU 1971-1671198 19710608

AB The formation of endogenous interferon was initiated by introducing an appropriate inductor into the organism. To lower the toxic effect, an aq. salt soln. contg. low-mol.-wt. poly(vinylpyrrolidinone) H (.ltoreq.0.4%) was used as the interferon inducer.

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1973:82844 CAPLUS
DOCUMENT NUMBER: 78:82844
TITLE: Effect of incubation temperature on the production and action of interferon
AUTHOR(S): Bostandzhyan, M. G.
CORPORATE SOURCE: Inst. Eksp. Biol., Erevan, USSR
SOURCE: Obrazov. Deistvie Interferona, Mater. Simp. "Ingibitory Virusov" (1972), Meeting Date 1970, 137-42. Editor(s): Indulen, M. K. "Zinatne": Riga, USSR.
CODEN: 26FEA9
DOCUMENT TYPE: Conference
LANGUAGE: Russian

AB Max. serum interferon titers in mice are obtained in animals that are maintained at 20.degree.. At 4.degree. hardly any interferon is produced, and at 37.degree. its titers are 6-16-fold lower than at 20.degree.. These results do not depend on the nature of the inducer: similar observations are made with Newcastle disease and synthetic macromols. In cultures of human or chick embryo fibroblasts, optimal interferon prodn. stimulated by synthetic inducers occurs at 37.degree.; titers are invariably lower at both 34.degree. and 41.degree.. In contrast, **interferon induction** in cultures of hamster or pig kidney cells by viruses increases with temp. from 34.degree. to 41.degree.. Prodn. of both serum and cultural interferons is stimulated most effectively by poly(**vinylpyrrolidinone**), alone or in combination with prodigiosin.

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1973:79720 CAPLUS
DOCUMENT NUMBER: 78:79720
TITLE: Interferonogens and antiviral substances. Copolymers of vinylpyrrolidinone and double-stranded complexes of polyribonucleotides
AUTHOR(S): Zeitlenok, N. A.; Vil'ner, L. M.; Bresler, S. E.; Kropachev, V. A.; Tikhomirova-Sidorova, N. S.; Trukhmanova, L. B.; Brodskaya, L. M.; Alpatova, G. A.
CORPORATE SOURCE: Inst. Polio. Viral Encephalitides, Moscow, USSR
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CODEN: TMPVAP; ISSN: 0568-4609
DOCUMENT TYPE: Journal
LANGUAGE: Russian

AB Vinylpyrrolidone-crotonic acid copolymer [25133-86-2], vinylpyrrolidone-crotonic aldehyde copolymer [25133-87-3], and vinylpyrrolidone-maleic anhydride copolymer [26837-56-9] induced interferon prodn. in mice (max. titers 24 hr postinjection) and increased the resistance of the mice to tick-borne encephalitis virus (for 10 days postinjection). Resistance was indicated by a higher survival rate and lower accumulation of viral pathogen in the blood and brain of treated infected mice than in untreated infected mice. The antiviral action of

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L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
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DOCUMENT NUMBER: 77:70361
TITLE: Use of synthetic **vinylpyrrolidinone**-based copolymers for **interferon induction** and an increased resistance to virus infections
AUTHOR(S): Vil'ner, L. M.; Ze'tlenok, N. A.; Chumakov, M. P.; Kropachev, V. A.; Trukhmanova, L. B.
CORPORATE SOURCE: USSR
SOURCE: Fiziol. Opt. Aktiv. Polim. Veshchestva (1971) 137-44
From: Ref. Zh., Biol. Khim. 1971, Abstr. No. 23F2056
DOCUMENT TYPE: Journal
LANGUAGE: Russian
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L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
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DOCUMENT NUMBER: 73:75297
TITLE: Reticuloendothelial effects of interferon inducers: polyanionic and non-polyanionic phylaxis against microorganisms
AUTHOR(S): Regelson, William; Munson, Albert E.
CORPORATE SOURCE: Div. of Med. Oncol., Med. Coll. of Virginia, Richmond, VA, USA
SOURCE: Annals of the New York Academy of Sciences (1970), 173(Art. 1), 831-41
CODEN: ANYAA9; ISSN: 0077-8923
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Poly I:C and pyran copolymer produced biphasic changes in the phagocytic and immunol. responses of the reticuloendothelial system of mice. Freund adjuvant, poly(**vinylpyrrolidinone**), tributyrin, and Thorotrast also exerted protective action against viral infection, suggesting that polyanions may not be necessary for **interferon induction** .

=> s l1 (p) l2
L5 5 L1 (P) L2

=> s l1 and l2
L6 6 L1 AND L2

=> d l6 1- ibib,abs
YOU HAVE REQUESTED DATA FROM 6 ANSWERS - CONTINUE? Y/(N):y

L6 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1974:25867 CAPLUS
DOCUMENT NUMBER: 80:25867
TITLE: Initiation of the formation of endogenic interferon
INVENTOR(S): From, A. A.; Bostandzhyan, M. G.; Gyul'badamova, N. M.; Sirotenko, A. V.; Fadeeva, L. L.
PATENT ASSIGNEE(S): Central Institute of Hematology and Blood Transfusion
SOURCE: U.S.S.R. From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1973, 50(26), 93.
CODEN: URXXAF
DOCUMENT TYPE: Patent

LANGUAGE: Russian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

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PRIORITY APPLN. INFO.: SU 1971-1671198 19710608

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L6 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1973:119228 CAPLUS
DOCUMENT NUMBER: 78:119228
TITLE: Experimental study of the effect of various interferon inducers in herpetic infection
AUTHOR(S): Bikbulatov, R. M.; Bostandzhyan, M. G.; Fadeeva, L. L.; Stakhanova, V. M.
CORPORATE SOURCE: Inst. Virusol. im. Ivanovskogo, Moscow, USSR
SOURCE: Voprosy Virusologii (1972), (6), 705-8
CODEN: VVIRAT; ISSN: 0507-4088
DOCUMENT TYPE: Journal
LANGUAGE: Russian
AB A polyvinylpyrrolidone-polyvinyl alc. mixt. [37328-93-1], known to induce interferon, protected mice against death from herpes simplex virus infection; the effects were similar after i.p. or aerosol administration of the mixt. Poly GC [26777-56-0], poly IC [26700-94-7], and homologous interferon also showed antiviral activity. Except for poly GC, all of the test agents suppressed reproduction of the virus in human embryonic fibroblast cultures.

L6 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1973:82844 CAPLUS
DOCUMENT NUMBER: 78:82844
TITLE: Effect of incubation temperature on the production and action of interferon
AUTHOR(S): Bostandzhyan, M. G.
CORPORATE SOURCE: Inst. Eksp. Biol., Erevan, USSR
SOURCE: Obrazov. Deistvie Interferona, Mater. Simp. "Ingibitory Virusov" (1972), Meeting Date 1970, 137-42. Editor(s): Indulen, M. K. "Zinatne": Riga, USSR.
CODEN: 26FEA9
DOCUMENT TYPE: Conference
LANGUAGE: Russian
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DOCUMENT NUMBER: 78:79720
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of **vinylpyrrolidinone** and double-stranded complexes of polyribonucleotides

AUTHOR(S): Zeitlenok, N. A.; Vil'ner, L. M.; Bresler, S. E.; Kropachev, V. A.; Tikhomirova-Sidorova, N. S.; Trukhmanova, L. B.; Brodskaya, L. M.; Alpatova, G. A.

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DOCUMENT TYPE: Journal

LANGUAGE: Russian

AB Vinylpyrrolidone-crotonic acid copolymer [25133-86-2], vinylpyrrolidone-crotonic aldehyde copolymer [25133-87-3], and vinylpyrrolidone-maleic anhydride copolymer [26837-56-9] induced interferon prodn. in mice (max. titers 24 hr postinjection) and increased the resistance of the mice to tick-borne encephalitis virus (for 10 days postinjection). Resistance was indicated by a higher survival rate and lower accumulation of viral pathogen in the blood and brain of treated infected mice than in untreated infected mice. The antiviral action of these copolymers seems to be closely related to their interferonogenic activity. Poly(guanidylate:cytidylate) [27965-02-2] was more active than poly(adenylate:uridylate) [25249-19-8] in inducing interferonogenesis in rabbits, monkeys, and chick embryo fibroblast culture and in inhibiting Chikungunya virus plaque formation in the fibroblast culture.

L6 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1972:470361 CAPLUS

DOCUMENT NUMBER: 77:70361

TITLE: Use of synthetic **vinylpyrrolidinone**-based copolymers for **interferon induction** and an increased resistance to virus infections

AUTHOR(S): Vil'ner, L. M.; Ze'tlenok, N. A.; Chumakov, M. P.; Kropachev, V. A.; Trukhmanova, L. B.

CORPORATE SOURCE: USSR

SOURCE: Fiziol. Opt. Aktiv. Polim. Veshchestva (1971) 137-44
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DOCUMENT TYPE: Journal

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AB The copolymer of **vinylpyrrolidinone** (VP) (mol. wt. .sim. 200,000) had greater antiviral activity in mice than did the copolymers of VP with crotonic acid, crotonic aldehyde, and maleic aldehyde.

L6 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1970:475297 CAPLUS

DOCUMENT NUMBER: 73:75297

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AUTHOR(S): Regelson, William; Munson, Albert E.

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.

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	53.73	53.94

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-9.77	-9.77

STN INTERNATIONAL LOGOFF AT 13:40:17 ON 16 OCT 2003